

## INTERNATIONAL SEARCH REPORT

International application No. 03/00667

PCT/FI 03/00646

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: G02B 6/22, H01S 3/30

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: G02B, H01S

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0703475 A1 (FRANCE TELECOM), 27 March 1996 (27.03.96), column 1, line 1 - column 3, line 53, figures 1,2,6, claims 1,3-5 --	6-10,12,13
A	US 6118575 A (GRUBB ET AL), 12 Sept 2000 (12.09.00), column 2, line 24 - column 3, line 8, fig 1-4; claims 1-9,11-13,15-16 --	6-13
A	US 4372645 A (MILLER), 8 February 1983 (08.02.83), column 1, line 40 - column 2, line 21, figures 1-3, 6, claims 1-4 -- -----	1,2,4-7,9-10

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered

to be of particular relevance

"E" earlier application or patent but published on or after the international

filing date

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cited to establish the publication date of another citation or other

special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other

means

"P" document published prior to the international filing date but later than

the priority date claimed

"T" later document published after the international filing date or priority

date and not in conflict with the application but cited to understand

the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be

considered novel or cannot be considered to involve an inventive

step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be

considered to involve an inventive step when the document is

combined with one or more other such documents, such combination

being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

20 November 2003

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21-11-2003

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

06/09/03

International application No.

PCT/FI 03/00646

Patent document cited in search report			Publication date	Patent family member(s)	Publication date
EP	0703475	A1	27/03/96	FR 2724735 A,B	22/03/96
US	6118575	A	12/09/00	US 5892615 A	06/04/99
				US 6181465 B	30/01/01
US	4372645	A	08/02/83	US 4308045 A	29/12/81